



Procedure: C-A-OSHP-SHP
Revision: 00
Revision Date: 07/22/03

COLLIDER-ACCELERATOR DEPARTMENT

Title: OSH Management Plan for Shops

Prepared by: E. Lessard

Group: ESH&Q

Approvals

Signature on File_____

Date:_____

ESH&Q Division Head

Signature on File_____

Date:_____

Collider-Accelerator Department Chairman

(Indicate additional signatures)

Y N

☐ x FS Representative:_____ Date:_____

☐ x Radiological Control Coordinator:_____ Date:_____

☐ x Chief ME:_____ Date:_____

☐ x Chief EE:_____ Date:_____

x ☐ ESH Coordinator:_____ *Signature on File* Date:_____

☐ x QA Manager:_____ Date:_____

☐ x Other:_____ Date:_____

OSH MANAGEMENT PLAN <u>Shops</u>	Completed by: <u>E. Lessard</u> Date: <u>July 22, 2003</u>
1. Hazards: <ul style="list-style-type: none"> • Ionizing Radiation • Hazardous or Toxic Materials • Radioactive Materials • Electrical Energy • Flammable or Combustible Materials • Magnetic Field and Electromagnetic Radiation • Kinetic Energy • Potential Energy • Thermal Energy • Cryogenic Temperatures 	
2. Department-supported Objective(s): <ul style="list-style-type: none"> • An injury free workplace • Compliance with OSH requirements in SBMS • Workers are consulted and encouraged to participate actively in all elements of the OSH management system • Improved performance of the OSH management system • OSH management system is integrated with the EMS management system 	
3. Department-supported Target(s): <ul style="list-style-type: none"> • Reduce year over year injury/illness rates • Implement corrective actions in report of ad hoc Electrical Safety Review Committee, see ATS 1425 • Establishment and efficient functioning of an OSH committee with worker representation • A fully implemented ILO-OSH-2001/OSHAS 18001 type OSH management system • A joint OSH, EMS and Self-Assessment Management Review 	
4. Department-wide OSH Performance Indicator(s): <ul style="list-style-type: none"> • Tier I inspection results • Injury/ Illness Rates • The number of Occurrence Reports and Critiques dealing OSH • Completion of tasks listed in Section 10 	
5. Department-wide Plan Description: <p>The OSH Management Plan for Shops is assured through a documented program for work planning. OSH issues and action items are incorporated, as appropriate, through the work planning process documented in C-A-OPM 2.28. This procedure documents supervisor and worker responsibilities and communications that exist at C-A for work control. Enhanced work planning is used for moderate and high hazard jobs, and applies to maintenance and construction activities at C-A for which written procedures and/or hazard assessments do not exist. The purpose of enhanced work planning is to enhance</p>	

work with written procedures, and /or with hazard reviews, whenever they are deemed to be lacking.

C-A work control is intended to capture the five core-functions from DOE's Integrated Safety Management System Guide, DOE P 450.4:

- Core Function 1, Define Scope of Work
- Core Function 2, Analyze Hazards
- Core Function 3, Develop/Implement Controls
- Core Function 4, Perform Work and Operation Authorization
- Core Function 5, Feedback/ Improvement

In addition, the Departmental Self-Assessment (SA) program, Worker Occupational Safety and Health Committee, OSH/EMS/SA Management review, Tier I inspections, and the annual OSH compliance review are leading indicators designed to help the meet the FY03 objectives in this Plan. Tracking and trending illness/injury rates as well as on-time regulatory reporting of occurrences and Radiological Awareness Reports are lagging indicators that contribute towards achieving OSH objectives and targets.

6. Potential Impact(s):

- Unsafe acts could injure personnel
- Undocumented or unreported OSH events could violate DOE requirements
- Improper compliance with SBMS requirements could create hazardous work environments, which could injure workers

7. Legal and Other Requirements:

ESH Standards:

[1.2.0 Departmental Environment, Safety & Health Inspection](#)

[1.2.1. Corrective Action Management and Tracking for Internal and External Assessments](#)

[1.3.1 Construction Safety](#)

[1.4.0 Compressed Gas Cylinder Safety](#)

[1.5.0 Electrical Safety](#)

[1.5.1 Lockout/Tagout Requirements](#)

[1.5.3 Interlock Safety for Protection of Personnel](#)

[1.6.0 Material Handling: Equipment and Procedures](#)

[1.6.1 Material Handling: Operator Training and Qualifications](#)

[1.9.0 Traffic Safety](#)

[1.14.0 Identification of Piping Systems](#)

[1.16.0 Personal Protective Equipment](#)

[2.2.1 Laboratory Workplace Standard for Non-Radioactive Toxic Substances](#)

[2.2.4 Confined Spaces](#)

[2.3.2 RF and Microwaves](#)

[2.4.0 Noise](#)

[2.5.0 Heat Stress](#)

[2.6.0 Sanitation](#)

[5.10 Nonflammable Cryogenic Liquids](#)

SBMS Subject Areas:

[Beryllium](#)

[Chemicals, Working with](#)

[Investigation of Incidents, Accidents and Injuries](#)

[Laser Safety](#)

[Lead](#)

[Lifting Safety](#)

[Static Magnetic Fields](#)

[Work Planning & Control](#)

8. Operational Controls: See [OSH Operational Controls Form](#)

9. Budget: Operating Budget

10. Structure, Authorities, Responsibilities

Tasks	Person Responsible	Completion Dates
Complete the enhanced work plans for all moderate and high hazard work	P. Cirnigliaro or Artie Piper	Prior to working with moderate or high hazards
Review electrical safety issues at C-A	Ad Hoc Electrical Safety Review Committee	See ATS-1425
Review and implement appropriate corrective actions recommended by Office of Independent Oversight during an Electrical Safety Review at C-AD	E. Lessard et. al.	See ATS-1425.2
Implement a Web Based LOTO data entry/Tag system	J. Woods, J. Sandberg	See ATS-1425.1.8
Perform annual management review of hazardous toxic material hazards	C-AD ESHQ Division	See ESHQ Tickler Card (TC-5)
Increase employee awareness of safety through participation in multiple (~ 4) safety awareness activities; e.g., show the film Remember Charlie	C-AD ESHQ Division	10/01/03
Implement a formal OSH Management system for accelerators, experimental areas, offices and shops at C-AD that is similar to ILO-OSH-2001 and OSHAS 18001	E. Lessard	10/01/03
Complete the OSH Team task list	OSH Team	10/01/03
Establish a functioning WOSH Committee	E. Lessard	05/30/03